L Number	Hits	Search Text	DB	Time stamp
-	12	123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/06 16:34
-	3	123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/05 15:54
-	41	123/568.21.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/05 16:23
-	2	123/681.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/05 16:46

| - | | 1 | 123/301.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed)) not (123/681.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed)) not (123/568.21.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/05 16:49 |

| - | | 7 | 123/435.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed)) not (123/681.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed))) not (123/568.21.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed))) not (123/301.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed)) not (123/681.ccls. and (estimat$4 or calculat$4 or | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/05 17:04 |

-	80	123/90.15.ccls. and internal near2 (EGR or exhaust near2 gas near2 recirculation)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/12/05 17:03

| - | | 2 | 123/90.17.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed)) not (123/681.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed))) not (123/568.21.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed))) not (123/301.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed)) not (123/681.ccls. and (estimat$4 or calculat$4 or | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/05 17:08 |

| - | 28 | 60/285.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed)) not (123/681.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed))) not (123/568.21.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed))) not (123/301.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed)) not (123/681.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/05 17:10 |

–		2	60/285.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same (exhaust or intake) near2 valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed)) not (123/681.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed))) not (123/568.21.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed))) not (123/301.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed) not (123/568.14.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (EGR or exhaust near2 gas near2 recirculation) same valve near5 (clos$4 or open$4) and engine near2 speed)) not (123/681.ccls. and (estimat$4 or calculat$4 or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/05 17:11

–		15	"5635634" and engine near2 speed	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/05 18:02
–		13	"5635634" and engine near2 speed and (exhaust near2 valv$2 or intake near2 valv$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/05 18:03
–		15	"3714932" and engine near2 speed	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/06 14:28
–		8	"3714932" and engine near2 speed and (EGR or exhaust near2 gas near2 recirculation)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/06 14:30
–		11	"3714932" and (EGR or exhaust near2 gas near2 recirculation)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/06 14:30
–		10	123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (internal or inner) near3 (EGR or exhaust near2 gas near2 recirculation) and valv$2 and engine near2 speed	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/06 17:19
–		13	60/285.ccls. and (estimat$4 or calculat$4 or predict$4) same (internal or inner) near3 (EGR or exhaust near2 gas near2 recirculation) and valv$2 and engine near2 speed	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/06 16:47
–		10	"5494008" and exhaust near2 valv$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/06 17:09
–		10	"5494008" and exhaust near2 valv$2 near5 clos$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/08 15:37
–		14	123/568.21.ccls. and (estimat$4 or calculat$4 or predict$4) same (internal or inner) near3 (EGR or exhaust near2 gas near2 recirculation) and valv$2 and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (internal or inner) near3 (EGR or exhaust near2 gas near2 recirculation) and valv$2 and engine near2 speed)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/06 17:44
–		2	123/435.ccls. and (estimat$4 or calculat$4 or predict$4) same (internal or inner) near3 (EGR or exhaust near2 gas near2 recirculation) and valv$2 and engine near2 speed not (123/90.15.ccls. and (estimat$4 or calculat$4 or predict$4) same (internal or inner) near3 (EGR or exhaust near2 gas near2 recirculation) and valv$2 and engine near2 speed)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/06 17:46
–		0	"5494008" and tope near2 dead near2 center	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/08 15:37

-	4	"5494008" and (top near2 dead near2 center or TDC)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/08 15:44
-	7	"5494008" and (EGR or exhaust near2 gas near2 recirculation)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/08 15:58
-	11	"5494008" and (ignition or spark)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/08 16:27
-	13	"5494008" and air	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/08 16:27